

Listing of Pending Claims

1. (Previously Presented) A still image capturing device, comprising:
an image sensor including a plurality of pixel elements;
a lens for focusing light from a scene onto said image sensor;
an electronically actuatable shutter device positioned between said lens and said image sensor, including a plurality of individually addressable and actuatable shutter elements, with a shutter element of said plurality of individually addressable shutter elements substantially corresponding to at least one of said plurality of pixel elements;
a memory storing an exposure threshold and one or more exposure patterns;
a processor communicating with said image sensor, with said shutter device, and with said memory, said processor controlling said plurality of shutter elements according to said exposure threshold and/or according to an exposure pattern stored in said memory, whereby different shutter elements of said shutter device may be light transmissive for different lengths of time, and thereby exposing corresponding pixel elements of said image sensor to focused light from said lens for different lengths of time.
2. (Original) The apparatus of claim 1, wherein said shutter device comprises a liquid crystal display (LCD) shutter element comprising a two-dimensional array of individually addressable and actuatable shutter elements.
3. (Original) The apparatus of claim 1, wherein said shutter device comprises a microelectromechanical shutter element comprising a two-dimensional array of individually addressable and actuatable shutter elements.
4. (Original) The apparatus of claim 1, wherein said memory further includes a predetermined image exposure period that controls an overall exposure duration of an image capture.
5. (Original) The apparatus of claim 1, wherein said image sensor comprises film.

6. (Original) The apparatus of claim 1, wherein said image sensor comprises an electronic image sensor.

7. (Original) The apparatus of claim 1, wherein said exposure pattern comprises two or more pixel unit exposure durations.

8-20. Cancelled.

21. (Previously Presented) An imaging module for an imaging capturing device, comprising:

an image sensor including a plurality of pixel elements; and

an electronically actuatable shutter device positioned adjacent to said image sensor, including a plurality of individually addressable and actuatable shutter elements, with a shutter element of said plurality of individually addressable shutter elements substantially corresponding to at least one of said plurality of pixel elements;

wherein said shutter device selectively exposes said image sensor to light from a scene to be imaged for different amounts of time on an individual pixel level.

22. (Previously Presented) The imaging module of claim 21, wherein said shutter device comprises a liquid crystal display (LCD) shutter element comprising a two-dimensional array of individually addressable and actuatable shutter elements.

23. (Previously Presented) The imaging module of claim 21, wherein said shutter device comprises a microelectromechanical shutter element comprising a two-dimensional array of individually addressable and actuatable shutter elements.

24. (Previously Presented) The imaging module of claim 21, wherein said image sensor comprises an electronic image sensor.

25. (Previously Presented) The imaging module of claim 21, wherein said shutter device selectively exposes said image sensor in accordance with an exposure pattern having two or more pixel unit exposure durations.